

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/DE2004/000748

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C23C16/44 C23C16/04

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C23C H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB, PAJ, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 0181, no. 20 (E-1516), 25 February 1994 (1994-02-25) & JP 5 315645 A (SHARP CORP), 26 November 1993 (1993-11-26) abstract; figures 1-6	7-9
Y		3
X	US 5 789 766 A (WRIGHT PHIL ET AL) 4 August 1998 (1998-08-04) claims 1-7; figures 1-3	7-10
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

16 September 2004

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23/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>MARCHI F ET AL: "Direct patterning of noble metal nanostructures with a scanning tunneling microscope"          JOURNAL OF VACUUM SCIENCE &amp; TECHNOLOGY B: MICROELECTRONICS PROCESSING AND PHENOMENA, AMERICAN VACUUM SOCIETY, NEW YORK, NY, US, vol. 18, no. 3, May 2000 (2000-05), pages 1171-1176, XP012008167          ISSN: 0734-211X          cited in the application          page 1171, column 2, line 8 - page 1175,          column 2, line 12; figure 1; table 1</p>	1-5
Y	<p>WO 02/084729 A (HAHN MEITNER INST BERLIN GMBH ; SCHEER ROLAND (DE); PIETZKER CHRISTIAN) 24 October 2002 (2002-10-24)          page 5, line 11 - page 6, line 26; claims 1,2</p>	1-5
A	<p>WRIGHT ANDREW: "Catching the action on camera to grow thin films"          MATER WORLD; MATERIALS WORLD 1999 INST OF MATERIALS, BRENTWOOD, ENGL, vol. 7, no. 7, 1999, pages 409-411, XP001194879          page 409 - page 411; figures 1-4</p>	1-10
A	<p>EP 1 243 553 A (JAPAN SCIENCE &amp; TECH CORP)          25 September 2002 (2002-09-25)          claims 1-4; figures 1,2</p>	1-10

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